



**NATIONAL
AGRICULTURAL
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USDA, NASS, Kentucky Field Office
PO Box 1120
Louisville, Kentucky 40201-1120
(502) 582-5293 or 1-800-928-5277

KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

LELAND E. BROWN, Director

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4-11

AGRICULTURAL NEWS: Heavy rainfall and storms of varying severity have continued to plague the Commonwealth. Many areas were hit with severe storms and suffered damage as a result. The statewide precipitation has been relentless and left farmers with little time to make any progress with their field crops. Flooding continues to be a problem for areas near rivers and streams and even when there were breaks in the weather it was difficult to do fieldwork due to ground saturation. Temperatures averaged 64 degrees, 7 degrees above normal and 8 degrees above the previous week. Overall rainfall for the time period averaged 3.49 inches, 2.49 inches above normal. Regionally, the West had the highest average at 5.30 inches while eastern Kentucky had the lowest average at 1.44 inches. **Topsoil moisture** was rated 21 percent adequate, and 79 percent surplus. **Subsoil moisture** was rated 2 percent short, 39 percent adequate, and 59 percent surplus. Days suitable for fieldwork averaged 1.0 out of a possible seven.

TOBACCO: As nearly all of the tobacco seedlings have been completed at this juncture, the plant growth is now being monitored. The majority of plants, 52 percent, were less than 2 inches in stature. Plants in the 2-4 inch range were rated at 37 percent. The remaining plants, at 11 percent, were larger than 4 inches.

CROPS AND PASTURE: For the second consecutive week there was very little progress made in **corn** planting. Only 17 percent of corn is in the ground, well behind last year at 68 percent, and the five year average of 45 percent. As a result of the halted planting progress and

uncooperative weather, a mere 5 percent of corn had emerged. Corn emergence was far behind last year at 37 percent as well as the five year average of 18 percent. Fall seeded **wheat** condition was rated as 1 percent very poor, 2 percent poor, 14 percent fair, 54 percent good and 29 percent excellent. As of April 24, 18 percent of wheat was headed compared to 5 percent last year and 11 percent for the five year average. **Pasture** condition was reported as mostly fair to good with 1 percent very poor, 6 percent poor, 29 percent fair, 49 percent good, and 15 percent excellent. Strawberry condition was rated as 1 percent very poor, 4 percent poor, 36 percent fair, 50 percent good, and 9 percent excellent. The projected first cutting of Alfalfa hay is May 9th.

CROP PROGRESS for week ending 04/24/11

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
Percent				
Corn Planted	17	13	68	45
Corn Emerged	5	NA	37	18
Wheat Headed	18	NA	5	11

SOIL MOISTURE for week ending 04/24/11

	Very Short	Short	Adequate	Surplus
Percent				
Topsoil	0	0	21	79
Subsoil	0	2	39	59

CROP CONDITIONS for week ending 04/24/11

Crop	Very Poor	Poor	Fair	Good	Ex
Percent					
Wheat	1	2	14	54	29
Pasture	1	6	29	49	15
Strawberry	1	4	36	50	9

KENTUCKY WEATHER SUMMARY, APRIL 18 - 24, 2011:

Above Normal Temperature and Above Normal Rainfall:

This past week was another very wet week across the Commonwealth. Rainfall was measured 4 to 5 days out of the week in most all locations through the state. Most of the rainfall came late in the week due to a stationary front that set up to our northwest. This caused the majority of rain to fall in northern and western portions of the state along the Ohio River. This frontal boundary also caused multiple severe thunderstorms to form and added to the flooding across the state. Temperatures were also above normal as the southerly flow not only kept the state wet, but also warmer than normal.

Temperatures for the period averaged 64 degrees across the state which was 7 degrees warmer than normal and 8 degrees warmer than the previous period. High temperatures averaged from 72 in the West to 76 in the East. Departure from normal high temperatures ranged from 1 degree warmer than normal in the West to 6 degrees warmer than normal in the East. Low temperatures averaged from 57 degrees in the West to 55 degrees in the East. Departure from normal low temperature ranged from 10 degrees warmer than normal in the West to 13 degrees warmer than normal in the East. The extreme high temperature for the period was 87 degrees at Bowling Green and the extreme low was 36 degrees at Carrollton.

Rainfall for the period totaled 3.49 inches statewide which was 2.49 inches above normal and 349% of normal. Rainfall totals by climate division, West 5.30 inches, Central 2.92 inches, Bluegrass 4.31 inches and East 1.44 inches, which was 4.14, 1.92, 3.39 and 0.52 inches above normal. By station, rainfall totals ranged from a low of 0.37 inches at Pikeville to a high of 8.30 inches at Morganfield.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL

FOR WEEK ENDING SUNDAY, APRIL 24, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
		(Inches)										
Bardstown	4.18	11.30	11.34	+8.20	+7.67	80	39	62.6	+4	93	280	+40
Berea	2.16	7.62	7.73	+4.21	+3.77	83	42	64.4	+7	103	272	+32
Bowling Green	1.93	6.82	7.29	+3.36	+3.18	87	46	67.4	+9	122	326	+86
Bristol	0.27	3.35	4.21	+0.71	+1.09	85	42	63.2	+6	95	295	+79
Buckhorn Lake	1.20	6.92	7.21	+3.92	+3.65	82	44	64.9	+8	106	271	+55
Cape Girardeau	7.90	10.78	10.90	+7.24	+6.71	82	46	62.6	+2	89	290	+50
Campbellsville	2.97	10.92	11.10	+7.13	+6.67	82	44	63.9	+5	98	276	+36
Covington	5.65	11.14	11.20	+8.14	+7.65	74	39	58.6	+1	67	216	+24
Cumberland Gap	0.60	6.08	7.00	+2.82	+3.08	83	42	66.1	+9	115	301	+85
Dix Dam	3.09	10.27	10.42	+6.89	+6.48	81	38	62.6	+5	92	261	+21
Evansville	5.47	8.94	8.94	+5.72	+5.12	81	41	62.3	+2	90	285	+69
Glasgow	1.78	6.95	7.44	+3.31	+3.14	84	45	65.6	+7	110	300	+108
Grayson	2.93	10.54	10.57	+7.64	+7.21	83	43	62.9	+6	96	256	+64
Hardinsburg	5.28	11.13	11.16	+7.68	+7.12	82	39	62.8	+4	96	285	+45
Henderson	6.55	10.59	10.66	+7.18	+6.63	84	42	63.8	+3	101	297	+57
Huntington	2.64	8.65	8.81	+5.77	+5.47	82	43	63.4	+6	96	294	+78
Jackson	1.23	8.28	8.51	+5.00	+4.67	85	44	65.5	+8	110	297	+81
Lexington	3.26	10.26	10.30	+7.16	+6.63	80	40	61.4	+4	84	241	+49
London	1.85	7.08	7.57	+3.94	+3.86	83	43	65.7	+9	115	292	+76
Louisville	4.49	10.09	10.10	+6.71	+6.11	84	43	64.2	+6	102	312	+96
Mayfield	4.83	8.94	9.40	+4.90	+4.67	87	46	66.2	+5	112	328	+64
Nashville	0.54	4.84	6.49	+1.34	+2.37	85	48	65.1	+7	105	301	+37
Nolin Lake	5.70	11.13	11.30	+7.51	+7.13	85	42	63.5	+5	97	280	+40
Paducah	6.80	10.62	10.90	+6.61	+6.26	84	46	65.1	+4	105	325	+85
Princeton	6.22	11.09	11.41	+7.25	+6.93	84	44	64.6	+4	104	310	+46
Quicksand	1.55	9.41	9.71	+6.13	+5.87	86	40	64.4	+7	106	287	+71
Somerset	1.40	7.22	7.53	+3.74	+3.46	84	44	65.5	+8	110	289	+49
Spindletop	3.21	9.92	9.96	+6.82	+6.29	79	40	61.3	+4	84	236	+44
Williamstown	4.90	11.35	11.43	+8.03	+7.50	78	39	60.1	+3	77	233	+41

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>